

PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the modification of the existing traffic control signal at the intersection of MD 65 and the I-70 Off Ramp in Washington County, Maryland. MD 65 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The intersection presently operates in a NEMA three (3) phase, full-traffic-actuated mode. The MD 65 through movements operate concurrently. The I-70 Off Ramp movements operate alone.

The existing phasing will be utilized. The existing cabinet and controller are to be relocated.

EQUIPMENT LIST

A. Approved S.H.A. equipment to be purchased by the Developer and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
1	EA	---	Micro-loop probe (set of 3) with 500 ft. lead-in cable.

B. Equipment to be furnished and installed by the Contractor.

All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization for traffic signal construction.
Lump Sum	LS	104	Maintenance of traffic for traffic signal construction.
1	CY	205	Test pit excavation.
3	EA	811	Handhole.
140	LF	815	Sawcut for signal loop detector.
420	LF	810	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
700	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
15	LF	804	Bare copper stranded ground wire (No. 6 A.W.G.).
10	LF	805	1 in. liquid tight flexible non-metalic conduit for loop detector sleeve.
400	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
80	LF	805	4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
80	LF	805	4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
1.25	CY	801	Concrete foundation for traffic signal equipment.
2	EA	804	Ground rod - 3/4 in. diameter x 10 ft. length.
1	EA	807	Control and distribution equipment (120/240 V, one phase, three wire system) for a type B-13 underground electrical service.
60	LF	556	24 in. wide HAPPTPM - white for stop line.
Lump Sum	LS	---	Remove and rerun existing electrical cables.
Lump Sum	LS	---	Remove existing traffic signal equipment.
Lump Sum	LS	---	Relocate existing base mounted cabinet.
Lump Sum	LS	---	As-built for S.H.A. [on CADD].

The contact persons for District #6 are as follows:

Mr. Fred Crozier  
District Engineer  
Phone: 301-729-8486

Mr. George Small  
Assistant District Engineer - Traffic  
Phone: 301-729-8444

Mr. Larry Humbertson  
Assistant District Engineer - Utility  
Phone: 301-729-8420

Mr. George Frankenberry  
Assistant District Engineer - Maintenance  
Phone: 301-729-8457

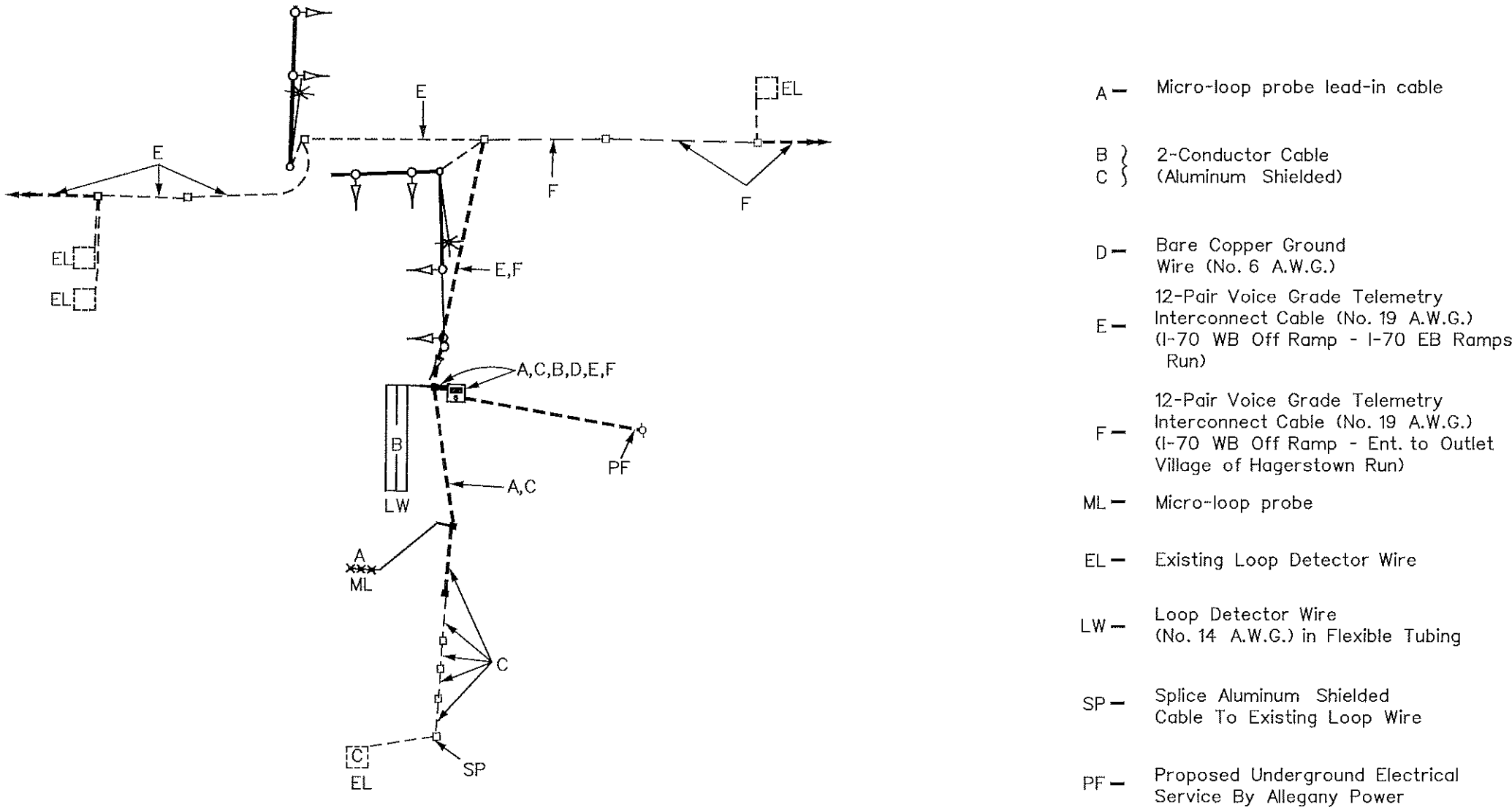
Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

The Power Company Representative is:  
Allegany Power Company  
Mr. Thomas G. Hull  
P.O. Box 488  
Frederick, Maryland 21701-0048  
Phone: 301- 694-4425

Phase Chart

	1	2	3	4	5	6	7	
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	
Phase 2 & 6	G	G	G	G	R	R	R	←
2 & 6 Change	Y	Y	Y	Y	R	R	R	→
Phase 4	R	R	R	R	G	G	G	↑
4 Change	R	R	R	R	Y	Y	Y	↓
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	↔

Wiring Diagram



MDOT – STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: Frank Hoeckel	(General Information)		
DES. BY: Frank Hoeckel	MD 65 at I-70 WB Off Ramp		
CHK. BY: Bruce Thompson 3-30-98	COUNTY: WASHINGTON	LOG MILE * 21006510.72	
DATE: March 13, 1998	F.A.P. NO. N/A	TS/STD. NO. 2611A-GI	SHEET NO. 2 of 8
SCALE: N/A	S.H.A. NO. BW996M82		



The Traffic Group, Inc.  
Suite 600  
40 W. Chesapeake Avenue  
Towson, Maryland 21204  
410-583-8405  
1-800-583-8411  
Fax 410-321-8458  
Job No. 970805  
SIGPLAN2.DGN